# DRAFT

TO:          J. A. Wackley

FROM:          E. S. Burke

SUBJECT:     Minutes for the DSS-15 Downtime Readiness Review (DTRR) held on Friday February 28, 2003

## DSS-15 Downtime Readiness Review

The DSS-15 Downtime Readiness Review (DTRR) was held on Friday February 28, 2003 with Jim McCoy (GDSCC), and Bob McMahan (CSOC) participating via teleconference link. The purpose of the DTRR was to review and assess the readiness of the NSP task planned for implementation at DSS-15 beginning March 10th 2003.

## Review Board

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|---|---|
| Gene Burke, Chairman | DSMS Operations |
| Bob McMahan | CSOC Engineering |
| Jim McCoy | GDSCC |
| Ken Kimball | DSMS Operation |
| Jim Buckley | DSMS Operations |

## Attendees

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|---|---|---|
| Battle, Fred | Kurtik, Susan | Polansky, Bob |
| Berry, David | Landon, Art | Valencia, Jose |
| Berner, Jeff | Marina, Miguel | |
| Klose, Chuck | O'Dea, Andrew | |

## DSS-15

1. Network Simplification Project
2. NSP Demonstration Track

**Network Simplification Project (NSP) –** Andrew O'Dea presented the DSS-15 NSP task implementation material. DSS-15 antenna downtime for NSP is scheduled to begin March 10th 2003.

The NSP Downlink (D/L) channel Mod-kits are currently at the DSN Logistics Facility (DLF) in Pasadena and are expected to arrive at the Barstow logistics facility on Wednesday for delivery to GDSCC on Thursday March 6th no earlier than noon.  A. O'Dea's concern is that the D/L channels

will not be ready for installation at the start of the antenna downtime (March 10th) because of the time needed for on-site logistic processing and pre-assembly prior to installation. Action Item *(AI#1)* is assigned to Bob McMahan and Andrew O'Dea to explore available options to expedite the delivery of D/L Mod-kits to Goldstone to meet the March 10th start of NSP antenna downtime.

NSP ver. 3.2.7 will be implemented at DSS-15

GDSCC maintenance personnel are lacking NSP training. Action Item *(AI#2)* is assigned to D. Berry to coordinate with J. McCoy to develop a training schedule.

A hardware problem with spare TLP decoder boards was uncovered. The boards are not meeting bit-error rate test criteria. Five of thirty TLP boards are suspect and have been returned to the vendor for repairs. The vendor has successfully reproduced the problem. Action Item (*AI#3)* is assigned to A. O'Dea to provide an update of the status of spare TLP boards.

Andrew O'Dea provided and discussed a detailed integrated DSS-15 NSP downtime schedule.

Bob McMahan is to provide the status of the System Performance Test (SPT) schedule.

G. Burke requested that Greg Rogers be present at all NSP DTRRs to discuss schedule and status of System Performance Testing (SPTs)

Susan Kurtik stated that she would schedule DSS-45 DTRR, and on another day schedule DSS-14/54 DTRR as one meeting with dates to be determined.

**GDSCC status**- J. McCoy reported that approximately three days are needed to assemble the Downlink Channel Cabinets; therefore, it is important to receive the Mod-kits on site as soon as possible to meet the March 10th NSP antenna downtime schedule. Action to request that the Mod-kit shipment be raised to priority 1 was discussed, but the idea was soon dismissed, in part, because a five-day slack time for NSP does not justified priority 1, instead other means to expedite the delivery of the D/L Mod-kit would be examined. Reference Action Item (AI#1).

**DSS-15 Demonstration Tracks** – Art Landon discussed the demonstration pass testing criteria. Objective of demonstration tracks are to verify Telemetry, Command, Monitor and Tracking data products. Candidates for testing are: Voyager-1, M01O, MGS, Cassini, Geotail, and Image.

David Berry commented on the need to have DSS antenna return-to-service review meetings. The complex mangers have reported not receiving a formal message directing the affected DSS to return to service. Action Item *(AI#4)* is assigned to J. Buckley to plan and schedule DSS antenna downtime return-to-service review meetings.

**Board Summary:**

The Board reviewed each of the success criteria following the presentation and recommended that DSS-15 begin its downtime as planned. Comments provided by each of the board members

are listed.

Bob McMahon - No major concerns. Delivery of the D/L Mod-Kits will be late.

*Ken Kimball* - No major concerns. The delivery of D/L Mod-kit is late. The status of the spare TLP boards is unknown and need to be resolved.

Jim McCoy - No major concerns.

Jim Buckley - No major concerns.

*Gene Burke* - No major concerns, but four items need immediate attention:

1. The delivery of the D/L channel Mod-kits to GDSCC will be late; reference AI#1
2. The status of the spare TLP boards need to be determined; reference AI#3
3. The NSP training needs of maintenance personnel are to be worked by D. Berry and J. McCoy.
4. Downtime Readiness Reviews (DTRR) for DSS-45 will be scheduled preferable for March 24 or 25 followed by DSS-14 and 54 DTRR with dates to be determined.

**Action Items (AI):**

1. Assigned to B. McMahan to explore available options to expedite delivery of Downlink Channel Mod-kits to Goldstone by Wednesday March 5th 2003.
2. Assigned to D. Berry to coordinate with J. McCoy to develop a training schedule for GDSCC maintenance personnel.
3. Assigned to A. Odea to provide a status of the spare TLP boards.
4. Assigned to J. Buckley to plan and schedule DSS antenna downtime return-to-service review meetings.